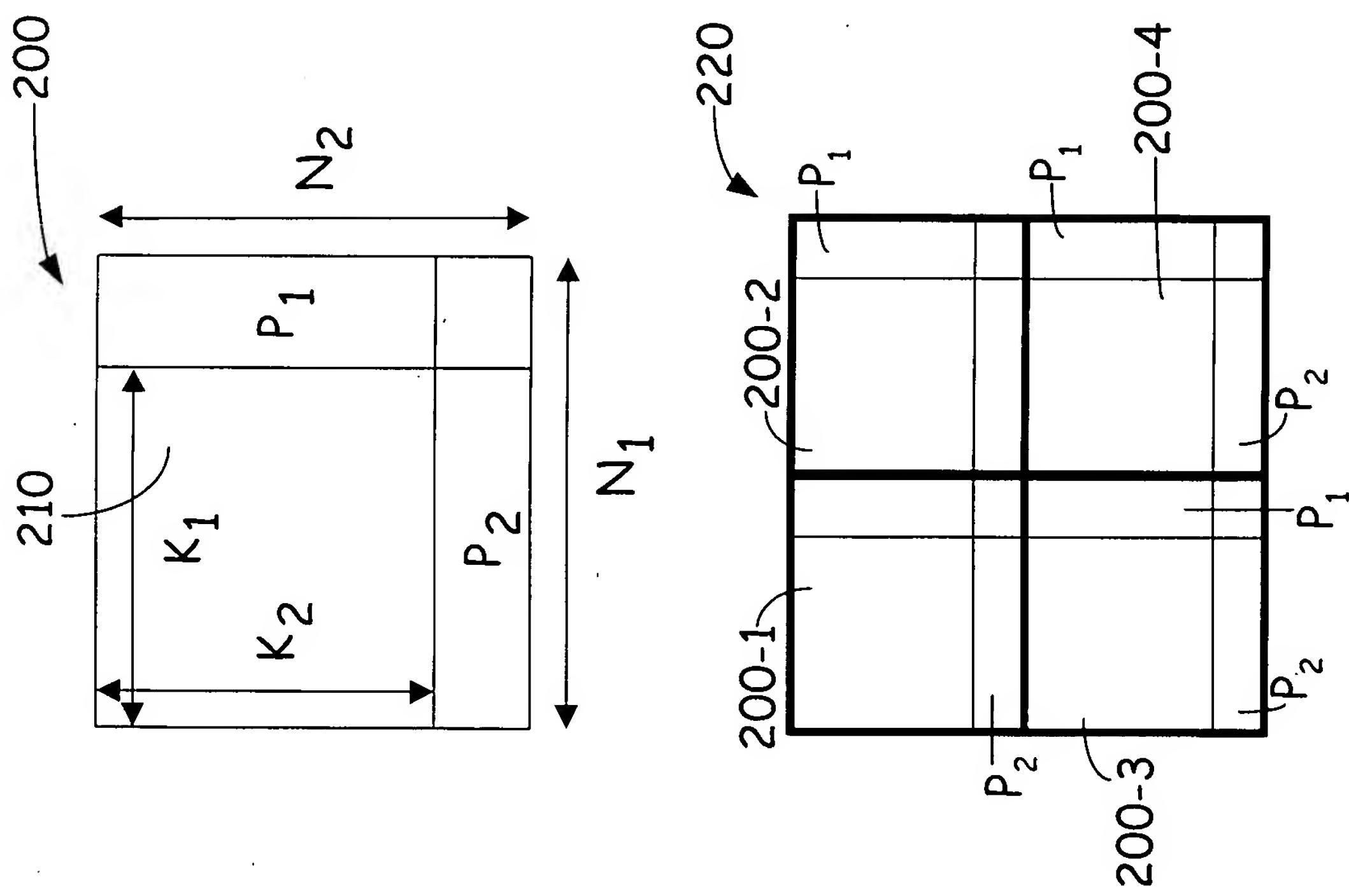


FIG. 1

FIG. 2



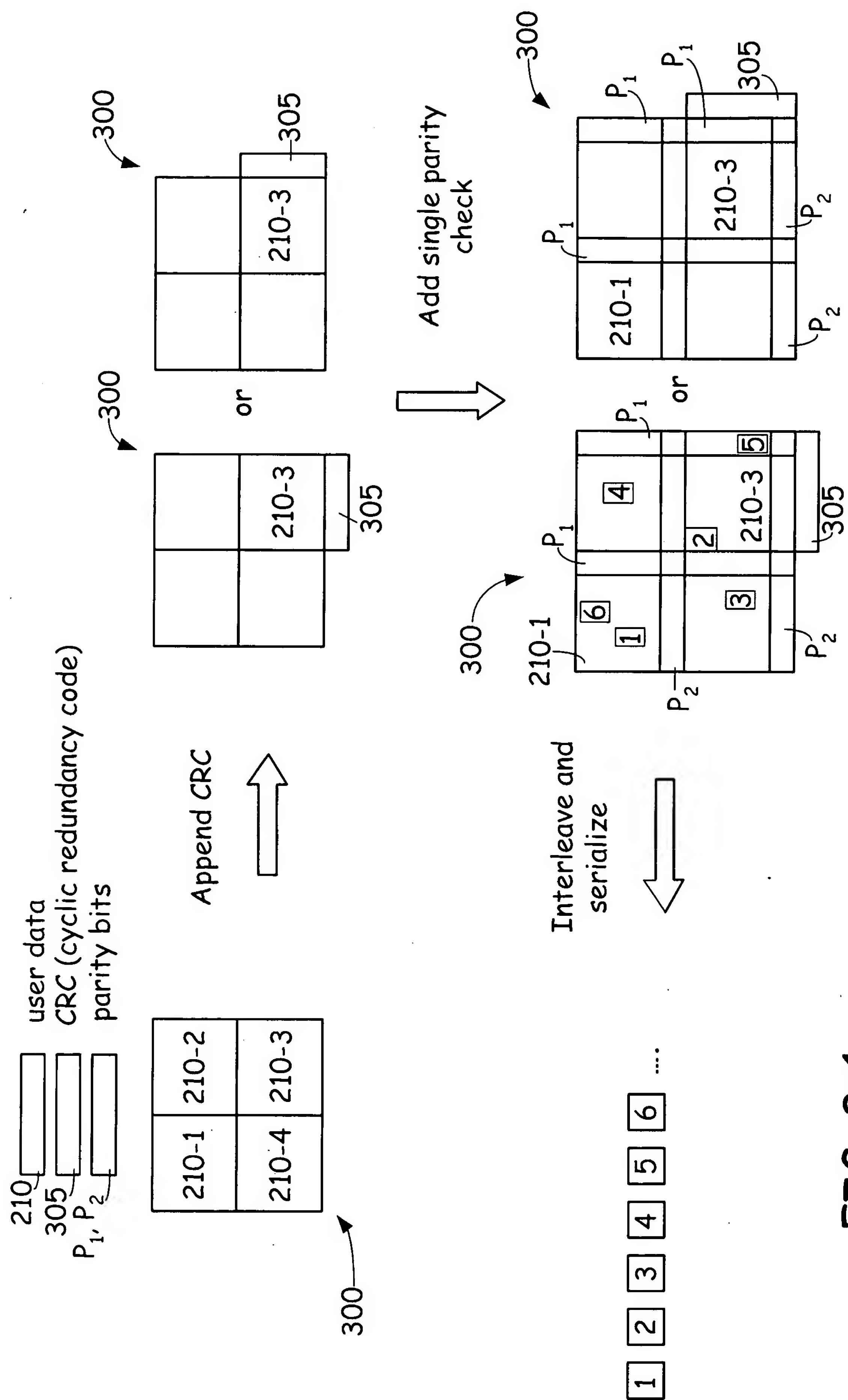
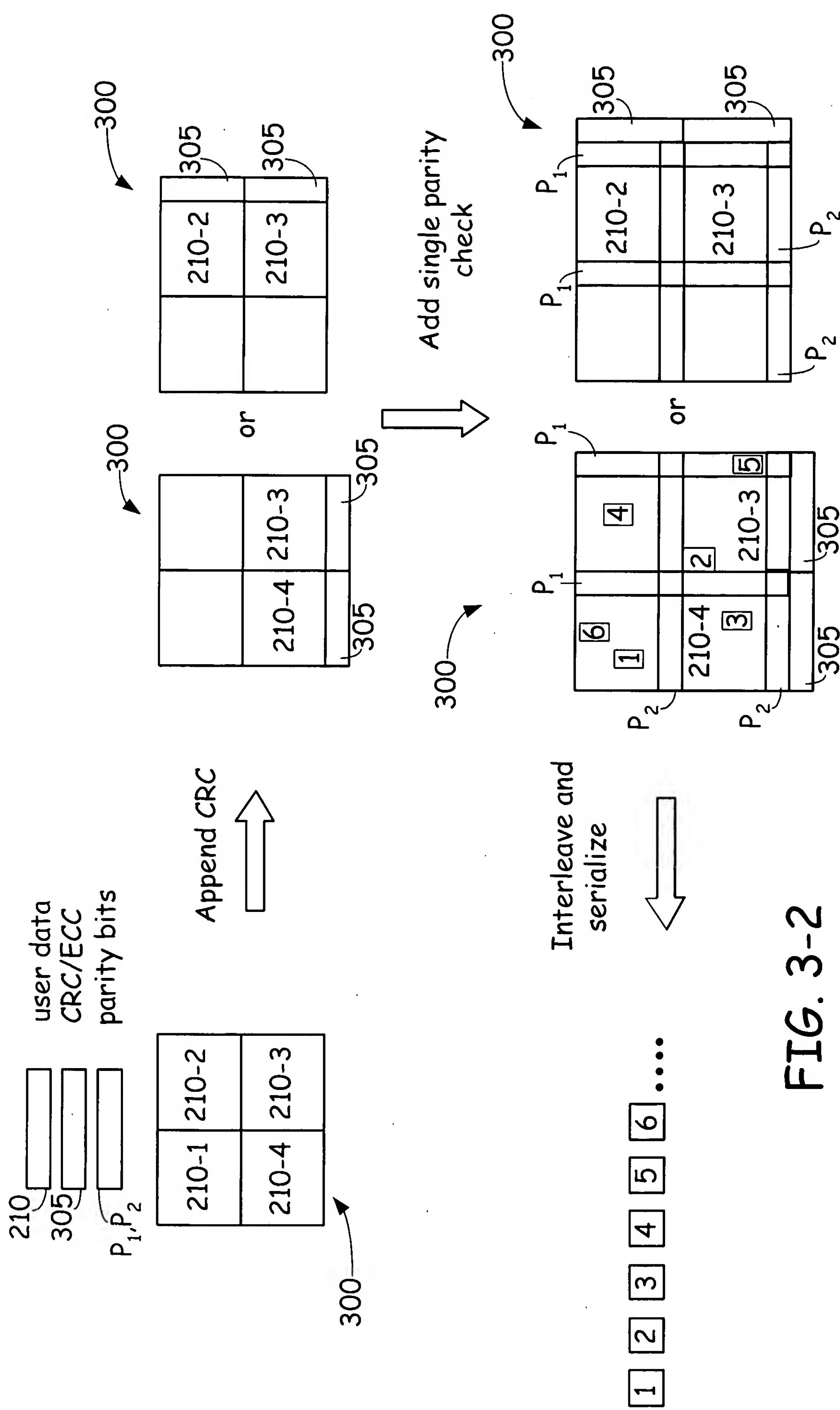


FIG. 3-1



# FIG. 3-2

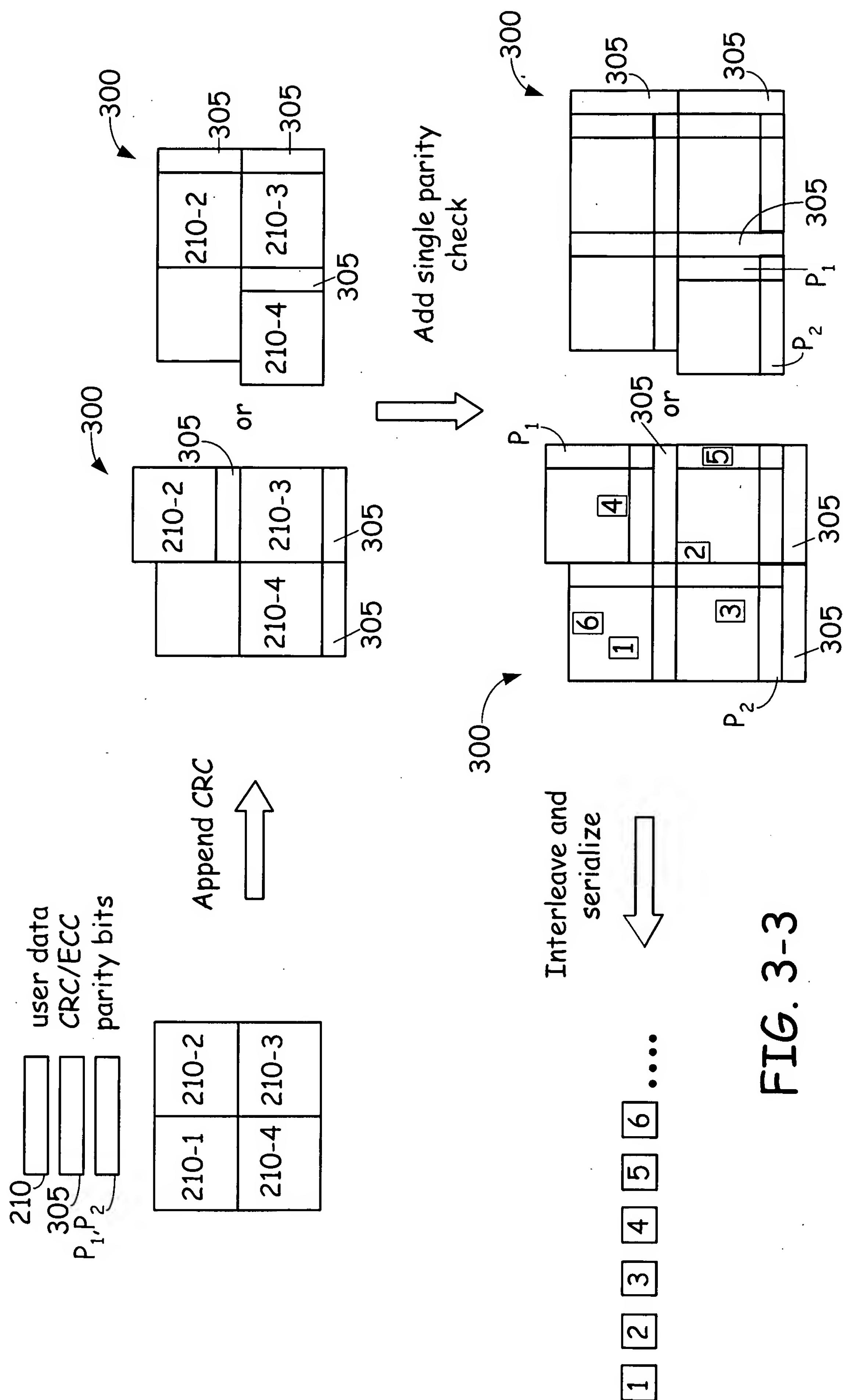
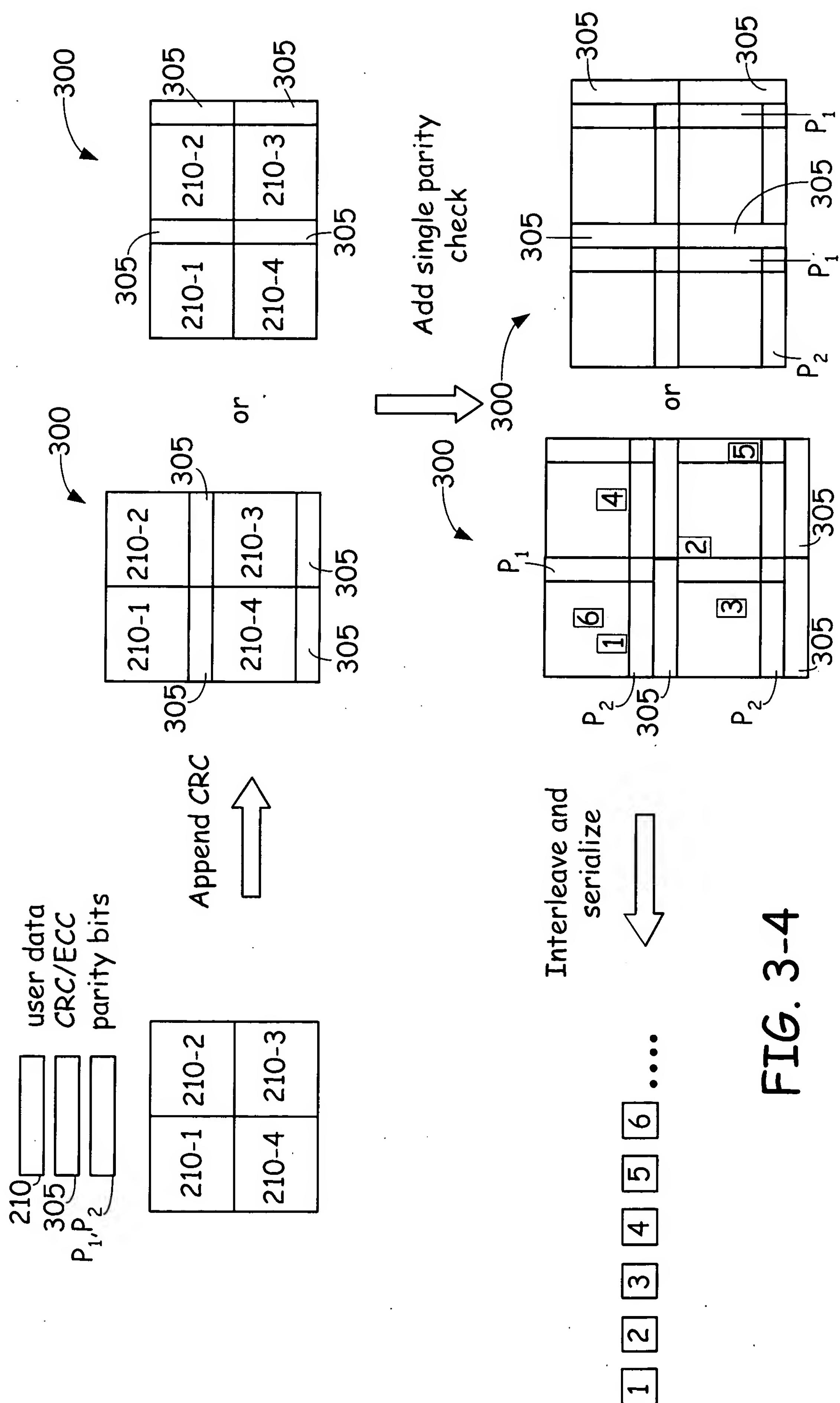


FIG. 3-3



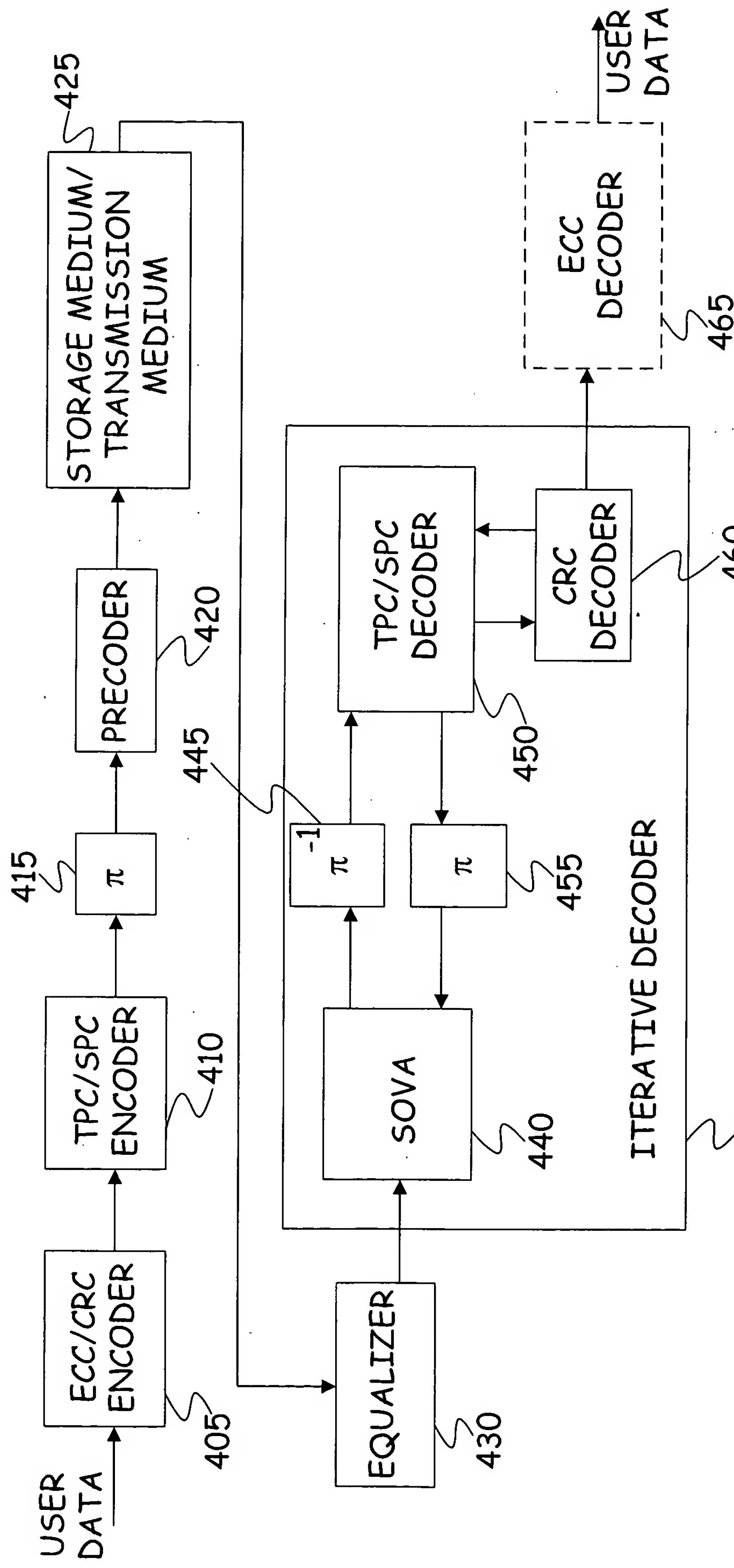


FIG. 4

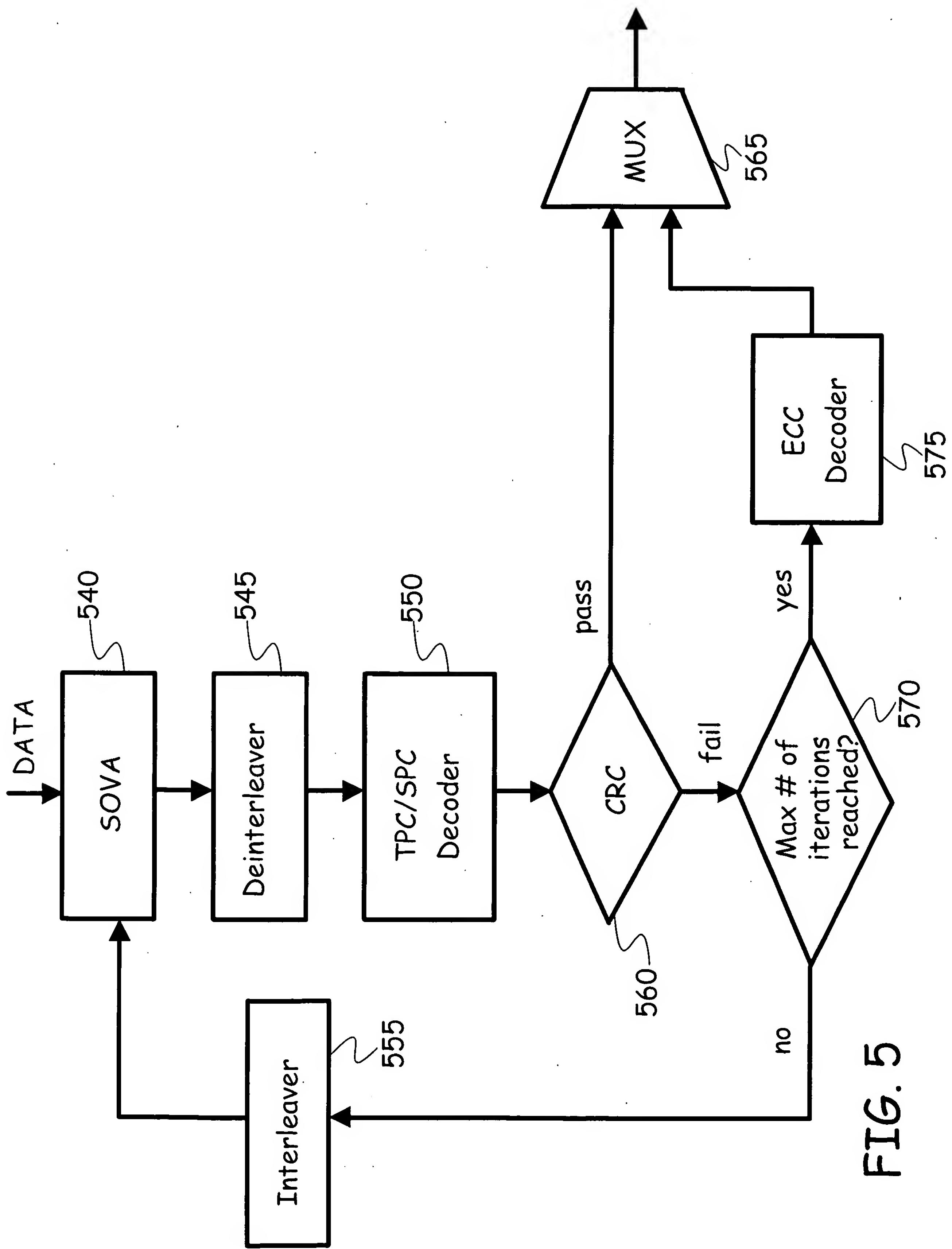


FIG. 5

x	x
x	x
x	x
x	x

Iteration #1

iteration #2

$x$  = error bit

x	x	x
x	x	x

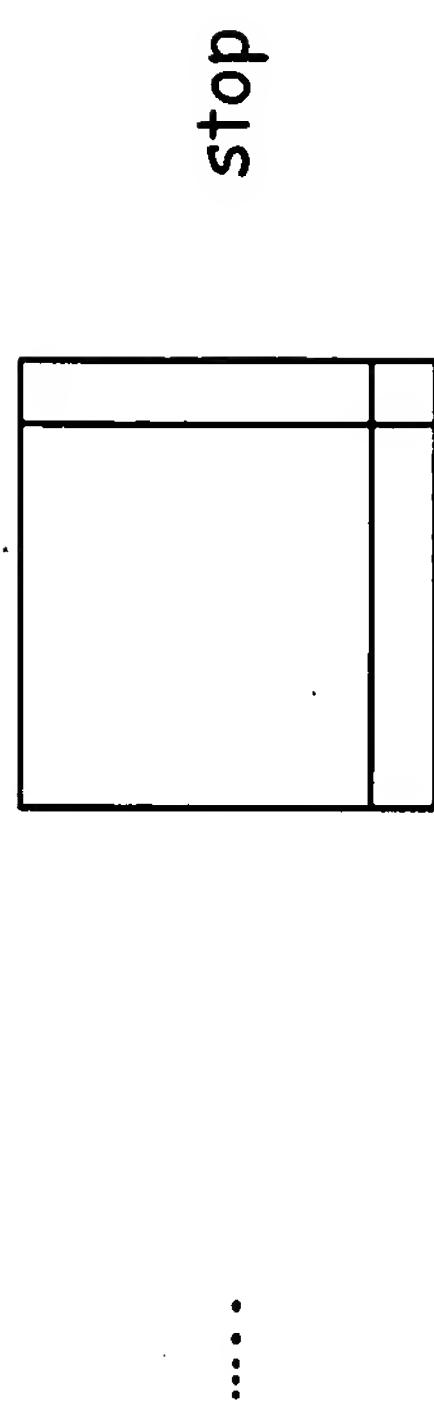
Iteration #1

iteration #2

$x$  = error bit

stop

FIG. 6-1



iteration #N

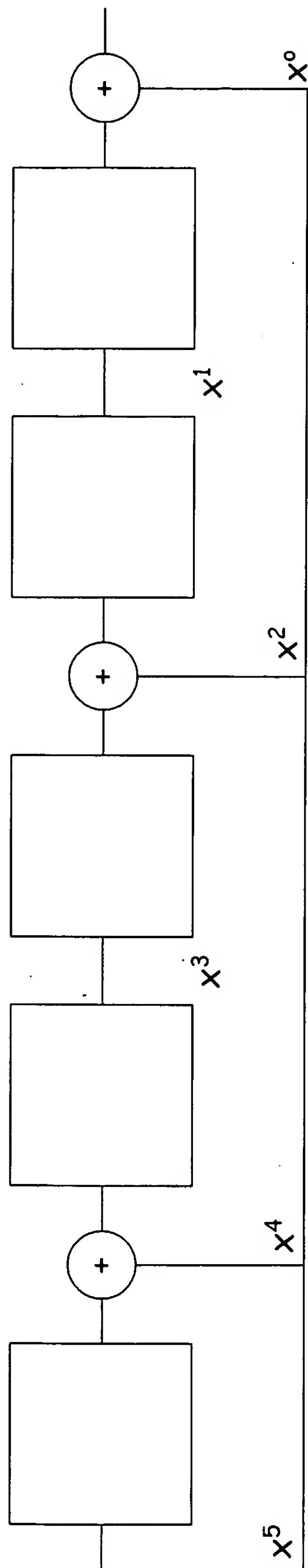
FIG. 6-2

...

Input bits when creating CRC 101000110100000

Input bits when creating CRC 101000110101110

460



$$P(x) = x^5 + x^4 + x^2 + 1$$

FIG. 7

**SNR = 6.4dB, 1600 codewords were simulated\***

Termination Criterion	# of Error Events	# of wrong bits in those error events
Parity check	44	4 10 4 14 6 2 4 4 1 8 4 4 6 8 4 1 4 4 4 6
Equation		12 2 4 2 4 4 4 2 10 3 4 4 4 4 6 4 4 8 4
CRC	5	4 1 4 1, 1, 2, 3, 1

\* SOVA/TPCSPC system With fixed-point calculation.

FIG. 8

FIG. 9

